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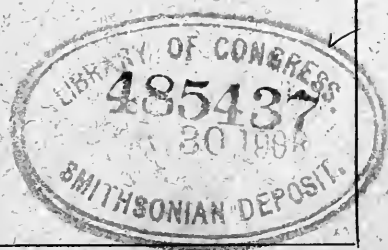
# The Civil and Mechanical Engineers' Society.

(FOUNDED 1859.)

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## RULES AND LIST OF MEMBERS.

MARCH, 1908.



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# The Civil and Mechanical Engineers' Society

(FOUNDED 1859),

25, VICTORIA STREET, WESTMINSTER, S.W.

(Tel. 244, VICTORIA.)

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## Council :

*President*—W. N. TWELVETREES, M.I.M.E., M.R.S.I., A.M.I.E.E.

*Vice-Presidents.*

E. AULT, M.I.M.E., F.S.I.

W. W. HIND-SMITH, F.R.G.S., F.R.C.I.

*Members of Council.*

A. W. ACKERMANN.

H. ADAMS, M.I.C.E., M.I.M.E., F.R.S.I.,  
F.S.I.

E. H. G. BREWSTER, A.M.I.C.E.,  
M.I.M.E.

W. B. ESSON, M.I.C.E., M.I.E.E.

C. T. A. HANSSEN, A.M.I.C.E.

A. W. MANTON, B.SC., M.I.C.E., M.I.M.E.

A. MARSHALL-ARTER, A.M.I.C.E.

J. S. OWENS, M.D., B.A., A.M.I.C.E.

H. SHAW, A.M.I.C.E., M.R.S.I.

F. R. SIMMS.

H. V. F. VALPY, M.I.C.E.

C. T. WALROND, A.M.I.C.E., M.R.S.I.,  
A.M.I.E.E.

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## Officers :

*Hon. Treasurer*—C. T. WALROND, A.M.I.C.E., 25, Victoria Street, S.W.

*Hon. Solicitor*—R. H. WILLCOCKS, LL.B., 4, College Hill, E.C.

*Auditor*—R. L. MATTHEWS, 43, Essex Road, Acton, W.

*Hon. Secretary*—A. S. E. ACKERMANN, B.SC. (ENGINEERING) LOND., A.C.G.I.,  
A.M.I.C.E., M.R.S.I., 25, Victoria Street, S.W. (Tel. 244, Victoria.)

# CIVIL AND MECHANICAL ENGINEERS' SOCIETY.

Its Presidents, Treasurers, Secretaries, and Places of Meeting, from the commencement of the Society in May, 1859, to the Present time.

	PRESIDENTS.	TREASURERS.	SECRETARIES.	PLACES OF MEETING.
1859—60	G. W. MACGEORGE, M.I.C.E.	E. H. HILLIAR.	E. H. HILLIAR.	26, Arbour Square, Stepney, E.
1860—1	G. C. FRASER.	G. J. CROSBIE DAWSON, M.I.C.E.	W. RUTT.	Poultry Chapel School Room, and 8, Moorgate Street, E.C.
1861—62	F. CAMPIN.	"	F. H. ROBERTS.	Freemasons' Tavern, Great Queen Street, W.C.
1862—63	"	"	"	"
1863—64	W. H. MAW, M.I.C.E., M.I.M.E., F.R.A.S., F.R.G.S., F.R.M.S.	"	"	Drummond Chambers, Adelphi, W.C.
1864—65	G. EEDS EACHUS, M.I.C.E.	"	"	"
1865—66	"	"	"	Whittington Club, Arundel St., Strand, W.C.
1866—67	B. HAUGHTON,	"	"	"
1867—68	"	"	"	"
1868—69	W. F. BLACK.	"	"	"
1869—70	J. B. WALTON, M.I.C.E.	A. C. PAIN, M.I.C.E.	G. W. USILL, A.M.I.C.E.	4, Westminster Chambers, S.W.
1870—71	A. C. PAIN, M.I.C.E.	C. H. REW, A.R.I.B.A.	C. H. REW, A.R.I.B.A.	(=7, Victoria Street, in 1904).
1871—72	C. W. WHITAKER, M.I.C.E.	W. F. BUTLER, M.I.C.E.	H. E. HUNT, A.M.I.C.E.	7, Westminster Chambers, S.W.
1872—73	C. H. REW, A.R.I.B.A.	W. C. STREET, A.R.I.B.A.	O. ORDISH and E. SPEED, A.R.I.B.A.	(=13, Victoria Street, in 1904).
1873—74	G. W. WILCOCKS, M.I.C.E.	"	E. SPEED, A.R.I.B.A.	"
1874—75	W. F. BUTLER, M.I.C.E.	"	W. W. THOMAS.	"
1875—76	R. M. BANCROFT.	"	"	"
1876—77	H. V. F. VALPY, M.I.C.E.	H. E. HILL, A.M.I.C.E.	E. SPEED, A.R.I.B.A.	"
1877—78	C. H. DRIVER, F.R.I.B.A.	A. PAYNE, F.R.I.B.A.	"	"
1878—79	W. C. STREET, A.R.I.B.A.	W. F. BUTLER, M.I.C.E.	F. WHEELER, F.R.I.B.A.	"
1879—80	H. E. HILL, M.I.C.E.	W. C. STREET, A.R.I.B.A.	G. A. PRYCE-COXSON, A.R.I.B.A.	"
1880—81	A. T. WALMSLEY, M.I.C.E.	"	"	"
1881—82				"

1882—83	R. H. TWIGG, M.I.C.E.	W. C. STREET, A.R.I.B.A.	G. A. PRYCE-CUXSON, A.R.I.B.A.	7, Westminster Chambers, S.W. (=13, Victoria Street, in 1904.)
1883—84	"	"	"	"
1884—85	THOMAS COLE, A.M.I.C.E.	"	"	"
1885—86	H. M. WHITLEY, M.I.C.E.	"	"	"
1886—87	E. H. G. BREWSTER, A.M.I.C.E., M.I.M.E.	"	"	"
1887—88	R. E. MIDDLETON, M.I.C.E., M.I.M.E., F.R.S.I., F.S.I.	"	"	Westminster Town Hall.
1888—89	"	"	E. L. W. HASKETT- SMITH, A.K.C., A.M.I.C.E.	Westminster Palace Hotel, Victoria Street, S.W.
1889—90	H. ADAMS, M.I.C.E., M.I.M.E., F.S.I., F.R.S.I.	"	"	"
1890—91	R. NELSON BOYD.	"	"	"
1891—92	A. A. MYALL, A.M.I.C.E.	"	W. LEE BEARDMORE, A.M.I.C.E.	"
1892—93	R. BOLTON, A.M.I.C.E.	H. COWARD.	E. H. G. BREWSTER, A.M.I.C.E., M.I.M.E.	"
1893—94	"	"	"	12, Delahay St., Westminster, S.W.
1894—95	C. T. WALROND, A.M.I.C.E., M.R.S.I., A.M.I.E.E.	A. A. MYALL, A.M.I.C.E.	"	"
1895—96	S. à COURT, A.M.I.C.E.	"	"	The Ship Restaurant, Charing Cross, S.W.
1896—97	"	E. H. G. BREWSTER, A.M.I.C.E., M.I.M.E.	PERCY FIELD.	Westminster Palace Hotel, Vic- toria Street, S.W.
1897—98	H. COWARD.	"	"	Hotel Victoria, Northumberland Avenue, S.W.
1898—99	B. B. DADLEY, A.M.I.C.E.	C. T. WALROND, A.M.I.C.E., M.R.S.I., A.M.I.E.E.	A. S. E. ACKERMANN, B.SC. (ENGINEERING) LOND., A.C.G.I., A.M.I.C.E., M.R.S.I.	"
1899—00	"	"	"	"
1900—01	Prof. R. H. SMITH, Wh.Sc., A.M.I.C.E., M.I.M.E., M.I.E.E.	"	"	"
1901—02	"	"	"	"
1902—03	C. T. A. HANSSEN, A.M.I.C.E.	"	"	St. Ermin's Hotel, Caxton Street, Westminster, S.W.
1903—04	"	"	"	Caxton Hall (late Westminster Town Hall), Westminster, S.W.
1904—05	"	"	"	"
1905—06	W. B. ESSON, M.I.C.E., M.I.E.E.	"	"	"
1906—07	"	"	"	"
1907—08	W. N. TWELVETREES, M.I.M.E., M.R.S.I., A.M.I.E.E.	"	"	"

# Civil and Mechanical Engineers' Society.

*This Society was established in the year 1859 for the discussion of Scientific Subjects, especially those connected with Engineering.*

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## RULES.

As amended at the Annual General Meeting, held on Thursday,  
2nd May, 1907.

1.—That this Society be called the CIVIL AND MECHANICAL ENGINEERS' SOCIETY.

2.—That this Society consist of Members, Associates, Honorary Members, and Honorary Corresponding Members.

That Members shall be men engaged in the engineering profession or kindred pursuits.

That Associates shall be men connected with engineering, but not practising as engineers.

That Honorary Members shall be men eminent in the engineering profession or as scientific men, and that Corresponding Members shall be persons engaged in similar pursuits to Members and permanently resident abroad.

3.—That any Candidate for admission as a Member or as an Associate of the Society shall be proposed by a full Member—from personal knowledge—and be seconded by two others (who shall be either Members or Associates) on a printed form signed by the proposer and seconders and by the Candidate, stating the Candidate's name, address and profession; that these particulars be announced at a meeting of the Society, and that the Candidate be balloted for by the full Members at the following meeting, one black ball in five to exclude.

4.—That the Election of Honorary Members and Honorary Corresponding Members be left to the discretion of the Council.

5.—That each Member, Associate, and Honorary Member shall have the privilege of introducing two friends to each Ordinary Meeting of the Society, whose names and addresses shall be entered in a book provided for that purpose, in which also every Member, Associate, and Honorary Member attending any meeting shall sign his name.



6.—That any Member, Associate, or Honorary Member may have the loan of any book, drawings, or papers belonging to the Society upon signing his name in a book provided for that purpose, such Member, Associate, or Honorary Member being responsible for the property so borrowed, which shall be immediately returned when demanded by the Secretary.

7.—That the entrance fee for Members shall be half-a-guinea, and that their annual subscription may be compounded for by the payment (in one sum) of ten guineas, such payment to confer the privileges of Membership for life.

That Associates shall pay no entrance fee.

8.—That the annual subscription of Members and Associates be one guinea, payable in advance on the first day of January in each year.

That the subscription of any Member or Associate joining the Society after the first day of November in any year shall commence from the first day of January following. That the following Members may claim a reduction of their subscription to half a guinea per annum during their residence outside a radius of thirty miles from London provided they have no office within such radius :—

(a) Members who on joining the Society are permanently resident outside the said radius.

(b) Members resident within the said radius on their permanently removing beyond it.

The reduction shall take effect from the first of January following the date of the claim.

9.—On or about April 2nd, in each year, a notice shall be sent to each Member who owes any monies to the Society showing the amount of the same and calling his attention to Rule 10.

10.—On April 10th of each year, any member who has omitted to pay his subscription for the then current year shall thereby incur a fine of five shillings, and if he does not pay all monies owing by him to the Society within four months of the posting of the notice named in Rule 9, the Council shall have power to remove his name from the list of members of the Society, but such or any other removal of his name shall not affect his legal liability to the Society, and he shall not be entitled to vote unless he is out of the debt of the Society.

11.—That the Council of the Society shall consist of a President, two Vice-Presidents, a Treasurer, a Secretary, and not less than four or more than eight other Members, to be elected by ballot of the full Members at a General Meeting, to be held in May each year. That the year of office shall commence at the first Meeting of the following Session ; that each Past-President, provided that he remains a Member of the Society, shall be an *ex officio* Member of the Council for the six years following his year of office, and that

after such six years he shall be eligible for election to the Council in the ordinary way. That Associates shall not be eligible as Members of the Council.

12.—That the affairs of the Society be under the control of the Council.

13.—That ordinary Council Meetings shall be held once in each month during the Session, and that Extraordinary Council Meetings may be held at the request of the President, or at the request in writing of three of its Members. That three shall form a quorum ; and that the proceedings of the Council shall be entered in a minute book, and shall be read by the Secretary at the next meeting of the Council.

14.—That the accounts of the Society shall be audited once a year by an Accountant, to be elected by ballot at the General Meeting to be held in May.

15.—If any Member or Associate, by act of felony, misdemeanour or other offence, shall render himself unfit to be a Member or Associate of the Society, or if, in the opinion of the Council, his conduct shall be considered injurious or detrimental to the interests or welfare of the Society, or if his conduct be brought to the notice of the Council by a proposal signed by not less than six Members of the Society, then the Council shall make such inquiry as they deem adequate, and if at a Council Meeting, called for the purpose, not less than three-fourths of the Members of Council present decide that there is good or sufficient reason for the expulsion of the said Member or Associate, they shall cause his name to be removed from the list of Members or Associates of the Society ; but if the majority who so decide be less than three-fourths of the Councillors present, then the Member or Associate's name shall remain on the list of Members or Associates, and the inquiry shall not be entered on the minutes.

16.—That the Ordinary Meetings of the Society for the reading and discussion of papers on subjects connected with engineering and the kindred sciences shall be held on such days between December 1st and May 31st as the Council may appoint before the commencement of the Session, such Session to commence with the first Ordinary Meeting in December and to conclude with the General Meeting in May.

17.—That the Secretary shall commence the proceedings of each Meeting by reading the Minutes of the preceding Meeting.

18.—That the Chairman shall have the power of directing the discussion, deciding points of order, and dissolving the Meeting, if necessary, and that he shall have a casting vote when divisions are equal.

19.—That anyone desirous of reading a paper before the Society shall first submit it for the approval of the Council, and unless he shall then, by notice in writing addressed to the Secretary, reserve to himself any rights, such paper shall, when read, become the absolute property of the Society ; and all maps, plans, drawings, diagrams, etc., illustrating the same shall remain in the custody of the Society for a period of not more than nine months ; and the Society shall have full power to print the whole or any parts of such paper, maps, plans, drawings, diagrams, etc., either in the Transactions of the Society or in some other form.

20.—That in order that the papers read may be bound they shall be written upon paper of a uniform size, that known as “ foolscap ” being adopted as the standard, one side only being used, and 1½in. margin left clear.

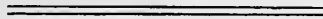
21.—That the General Meeting of the Society shall be held in May, when the Council’s report and the audited accounts for the previous year, ending 31st December, shall be presented, Officers for the ensuing Session elected, and such matters considered as may affect the interests of the Society.

22.—That a Special Meeting of the Society shall be called at any time by the Secretary at the request of the Council or at the request in writing of six Members, who shall therein state the business to be brought forward at such Meeting.

23.—That for all General or Special Meetings of the Society six full Members shall form a quorum.

24.—That visits to works or other objects of engineering interest shall be made at the discretion of the Council, and that notice of these and all other Special Meetings of the Society shall be sent to Members, Associates, and Honorary Members.

25.—That no alteration shall be made in these Rules except by a vote of the full Members at the General Meeting to be held in May, or at a Special Meeting called for the purpose.



# CIVIL AND MECHANICAL ENGINEERS' SOCIETY.

(FOUNDED 1859.)

*It is requested that every CHANGE OF ADDRESS, and particulars of membership of other Societies, may be COMMUNICATED WITHOUT DELAY to the Hon. Secretary.*

*L denotes Life Members.*

## HONORARY MEMBERS.

NAME.	ADDRESS.
Ayrton, Professor William Edward, F.R.S.	Central Technical College, South Kensington, S.W.
Clarke, William, M.I.C.E.	39, Old Queen St., Westminster, S.W.
Galbraith, William Robert, M.I.C.E.	91, Finchley Road, N.W.
Henrici, Professor Olaus, PH.D., LL.D., F.R.S.,	Central Technical College, South Kensington, S.W.
Preece, Sir Wm. Henry, K.C.B., F.R.S., Past Pres. Inst. C.E.	Gothic Lodge, Wimbledon, S.W.

## MEMBERS.

DATE OF ELECTION.	NAME.	ADDRESS.
Feb. 7, 1907	Abbott, Alfred Ernest, A.M.I.M.E., M.R.S.I.	The Square, Wolverton, Bucks.
Feb. 14, 1895	Ackermann, Adolphus Wm.	Fairlight View, Hawkhurst, Kent.
Dec. 19, 1898	Ackermann, Alfred Seabold Eli, B.S.C. (ENGINEERING), A.C.G.I., A.M.I.C.E., M.R.S.I.	25, Victoria Street, Westminster, S.W. (Tel. 244, Victoria.)
L Dec. 19, 1883	Adams, Prof. Henry, M.I.C.E. M.I.M.E., F.S.I., F.R.S.I.	60, Queen Victoria Street, E.C.
Dec. 2, 1897	Adamson, William	Castle Company's Chambers, Cape Town. (P.O. Box 426.)
Dec. 7, 1905	Addinell, John Gouthwaite	24, King's Avenue, Muswell Hill, N.
Nov. 1, 1906	Allbless, Edalji Dossabhoy	4, Patel Street, Fort, Bombay, India.
Jan. 7, 1904	Arter, Arthur Marshall, A.M.I.C.E.	60, Upper Mall, Hammersmith, W.
Jan. 5, 1905	Atherton, Percy William	
Nov. 1, 1900	Atkinson, Alexander	Lahore, Punjab, India.
Feb. 7, 1901	Ault, Edwin, M.I.M.E., F.S.I.	Boundary Road, Burmah, India.
Dec. 8, 1904	Bailey, George, F.R.C.I.	Chief Mechanical Engineer, Broo- massie Gold Fields, West Africa.
Oct. 3, 1907	Balsara, Phirozshar F.	Sirdar Building, Appollo Street, Fort, Bombay, India.
Jan. 2, 1908	Baker, Lucius Aveling	78, West Hill, Sydenham.
Dec. 4, 1902	Bell, James Richard, M.I.C.E. M.AMER.SS. C. & M.E.	25, Victoria Street, S.W. (Tel. 244, Victoria.)
L 1873	Bell, William	Dean's Yard, Westminster, S.W.
Mar. 7, 1901	Bennett, William	Town Hall, Rangoon.
Dec. 8, 1904	Boden, Edward Goulden, M.M.C.E.	Victoria Chambers, Romford, E.
L Feb., 1872	Brewster, Edwin Henry George, A.M.I.C.E., M.I.M.E.	12, Dartmouth Street, Queen Anne's Gate, S.W.

DATE OF ELECTION.	NAME.	ADDRESS.
April 4, 1907	Brierley, Harry Heaton, A.M.I.M.E.	8, Oaklands Road, East Sheen, S.W.
	L Broughton, F.	Hyderabad, Deccan, India.
Mar. 3, 1904	Budge, James Albert	Council House, Birmingham.
Feb. 16, 1899	Burn, Joseph William	Springholme, Stockton-on-Tees.
Mar. 6, 1902	Burne, Harold	San Carlos Copper Co., Linares, N.L., Spain.
May 2, 1901	Burton, Richard	c/o The National Bank of Egypt, Cairo.
Oct. 3, 1907	Chandabhoy, Bomanji Munckershaw, L.M.E.	Mount Road, Mazagone, Bombay, India.
Oct. 3, 1907	Chandabhoy, Munckershaw N., M.S.E. (India), M.S.A.	Sirdar Building, Appollo Street. Fort, Bombay, India.
Feb. 1, 1906	Chilvers, George William, F.R.MET.SOC., M.R.S.I., F.I.S.E.	28, Victoria Street, S.W.
Mar. 2, 1905	Collingwood, Cuthbert, A.M.I.C.E.	Royal Survey Dept., Bang-kok, Siam.
Nov. 6, 1907	Conn, William John	Engineer-in-Charge of Railway Bridge Construction, British North Borneo, Beaufort <i>via</i> Jesselton.
L Ap. 9, 1863	Cooper, Frederick East- ment, M.I.C.E.	11, Victoria Street, S.W.
Nov. 7, 1901	Cotton, Alfred	54, North 11th Street, Newark, N.J., U.S.A.
Dec. 3, 1903	Cundy, Junr., John George, S.I.E.E.	Swansea Improvements Tram- ways Co., Parkwern Road, Swansea.
	L 1881 Cuxson, George Austin Pryce, A.R.I.B.A., F.S.I.	5, Duke Street, Adelphi, W.C.
Dec. 8, 1904	Dalgarno-Robinson, Henry, A.C.G.I., A.M.I.C.E.	Marshgate House, Richmond, Surrey.
Nov. 7, 1901	Davies, Francis Edward	Director, The Mirban Tin Mines, Ltd., 148, Finsbury Pavement, E.C.
	L 1860 Dawson, George James Crosbie, M.I.C.E.	North Staffs. Railway, Stoke-on- Trent.
May 2, 1901	Dewhirst, Charles Reeve	c/o The A.C. Electrical Co., Sara- cens Buildings, Snow Hill, E.C.
	L 1862 Eachus, George Eedes, M.I.C.E.	"Florrisant," London Road, Enfield.
May 5, 1899	Esson, William Beedie, M.I.C.E., M.I.E.E.	1, Victoria Street, S.W. (Tel. 5386 Westminster).
Jan. 7, 1904	Farrell, Francis Henry	Moynalty, Kells, Co. Meath.
Jan. 8, 1903	Fillingham, John Thomas Dungate	73, Grange Park Road, Thornton Heath, Surrey.
Dec. 8, 1904	Finnie, William, A.M.I.M.E., M.I.S.I. (Scot.), M.S.E., M.I.E.S.	c/o MM. Howarth Erskine, Ltd., Singapore, Straits Settlements.
Mar. 2, 1905	FitzGerald, Maurice Edward William	Warmley, near Bristol.
	1884 Gibbon, Harry	2, Victoria Villas, Exoning Road, Newmarket.
Apr. 5, 1906	Goldsmith, Henry Edward	Royal Engineers Office, Hong Kong.
Mar. 1, 1900	Gray, Andrew Robertson	Council House, Birmingham.
Nov. 1, 1906	Hainworth, Charles S., A.C.G.I.	c/o S. Pearson & Sons, Ltd., Salina Cruz, O.A.X., Mexico.
Feb. 2, 1899	Hallet, Herbert Ford	2, Rotherwood, Madeira Road, Streatham, S.W.
Nov. 7, 1901	Halliwell, James	118, Market Street, Edenfield, near Bury.

DATE OF ELECTION.	NAME.	ADDRESS.
Dec. 16, 1897	Hanssen, C. T. Alfred, A.M.I.C.E.	319, Lordship Lane, East Dulwich, S.E.
Nov. 6, 1907	Harda, Hormasji K.	44, Tamarind Lane, Fort, Bombay, India.
Jan. 5, 1905	Hargreaves, John Emanuel	Town Hall, Farnborough, Hants.
May 4, 1905	Harrold, Alexander Walter, A.C.G.I., A.M.I.E.E.	148, Hither Green Lane, Lewisham, S.E.
Nov. 6, 1902	Hawkins, Hervey Carlton	4, Devonshire Road, South Lam- beth, S.E.
L Dec. 21, 1887	Heaton, John	
L 1874	Herbert, Nicholas	
Feb. 6, 1903	Hewett, Bertram Henry Majendie, A.C.G.I., A.M.I.C.E.	9, Garden Street, Park Street, Montclair, New Jersey, U.S.A.
L 1874	Hill, Henry Ellis, M.I.C.E.	9, Victoria Street, S.W.
Mar. 7, 1901	Hill, Walter Wellesley	Admiralty Harbour Works, Peterhead, N.B.
Dec. 3, 1903	Hind-Smith, W. Wilson, F.R.G.S., F.R.C.I.	Grosvenor, The Leas, Westcliffe- on-Sea.
Feb. 1, 1900	Hirst, Joseph Henry	Town Hall, Hull.
April 5, 1906	Hoskins, Nandy William, M.R.S.I.	Malobar, New Eltham, Kent.
Feb. 6, 1908	Howard, Arthur Cecil	Craig-ard, Alexandra Avenue, Mansfield, Notts.
Dec. 21, 1887	Hudson, John Christopher	District Engineer, Palmore, <i>via</i> Janumpett, Deccan, India.
June 7, 1900	Hummel, Frank Harvey, B.SC., A.M.I.C.E., A.C.G.I.	The University, Edgbaston. Bir- mingham.
May 2, 1901	Hurd, Howard, M.M.C.E., M.R.S.I.	Council Offices, Broadstairs, Kent.
Dec. 5, 1901	Jackson, William Smith, A.R.S.I.	21, Gatefield Road, Sheffield.
Nov. 6, 1907	Kapadia, Temuras D.	44, Tamarind Lane, Fort, Bombay, India.
Dec. 6, 1906	Kitchin, Eric Wilfred, A.M.I.C.E.	The Priory, Watford.
Feb. 7, 1907	Laughton, Ernest Cheyney, A.C.G.I.	16, Old Buildings, Lincoln's Inn, W.C.
Dec. 8, 1904	Lawton, Charles Henry	Christchurch Cottage, Warmin- ster, Wilts.
April 3, 1902	Lobb, Nicholas William	51, Graper Hill, Norwich.
L 1872	Love, James, F.R.A.S., F.G.S., F.Z.S.	33, Clanricarde Gardens, Bays- water, W.
L	Macfarlane, Thomas Mel- bourne	P.W.D., Hyderabad, Deccan, India.
Dec. 6, 1900	Mann, Sidney George Norman	Land Registry, 34, Lincoln's Inn Fields, W.C.
Dec. 16, 1897	Manton, Arthur Wood- roffe, B.SC., M.I.C.E., M.I.M.E.	c/o S. Pearson & Sons, Incorp., East River Tunnels, Long Island City, N.Y.
May 3, 1906	Marriott-Dodington, Spencer	Sherborne, Dorsetshire.
Jan. 3, 1901	Mawson, Matthew, A.M.I.C.E.	23, Bingham Road, Croydon.
Nov. 1, 1900	Maybury, Henry Percy, M.M.C.E.	The Sessions House, Maidstone.
L Dec. 19, 1888	McMahon, Patrick Jay	U.S. Naval Station, Key West, Fla., U.S.A.
Oct. 3, 1907	Mebta, Sorab Bowanjee	59, Hornby Road, Bombay, India.
Nov. 6, 1902	Middleton, Reginald Empson, M.I.C.E., M.I.M.E., F.R.S.I., F.S.I., F.R.M.S.	17, Victoria Street, Westminster, S.W.
Mar. 5, 1903	Midgley, Harold Edward, M.A. (Cantab.), A.M.I.C.E.,	Bletchington, Lower Park Road, Belvedere, S.E.

DATE OF ELECTION.	NAME.	ADDRESS.
Dec. 5, 1907	Mirza, Cowasjee Framjee	Akola, Berar, India.
Dec. 5, 1907	Mitchell, Gardiner, G.I.M.E., M.A.M.S.	8, Albyn Terrace, Aberdeen.
Jan. 4, 1906	Moore, Frances B. G.	17, Mooltan Terrace, Tedworth, Andover, Hants.
L 1867	Moorsom, Lewis Henry, M.I.C.E.	46, Shrewsbury Street, Old Traf- ford, Manchester.
Dec. 7, 1899	Morgan, Edward Francis	Town Hall, Croydon.
April 5, 1906	Musto, A. Arnold	Assistant Civil Engineer, Public Works Dept., Indian Government
Mar. 3, 1904	Nicholson, George John Lowthian	Albany Chambers, York Street, Westminster, S.W.
Dec. 7, 1889	Orme, Thomas Joshua	The Council House, Birmingham.
Feb. 2, 1899	Osborne, James	14, Kenilworth Avenue, Wimbled- on Park, S.W.
Oct. 5, 1905	Owens, John Switzer, M.D., (T.C.D.), B.A., A.M.I.C.E., F.R.G.S.	15, Tothill Street, Westminster, S.W.
Oct. 3, 1907	Pastakia, Hormusjee Cowasjee	234, Bora Bazar Street, Fort, Bom- bay, India.
Oct. 3, 1907	Patel, Munckershaw Jivanji	59, Hornbv Road, Bombay, India.
May 21, 1903	Paterson, Lionel	
Nov. 2, 1905	Paulsen, Christian Ludwig Holten de, B.Sc. (Cophg.), MEM.SOC. Danish Engrs.	Invererne, 52, Park Road, Rangoon.
L 1875	Payne, Alex., F.R.I.B.A., A.I.C.E.	Norfolk House, Victoria Embank- ment, W.C.
1877	Phillott, Geo. Henry, M.A.	13, Promenade, Cheltenham.
June 7, 1900	Pontifex, Beaumont	c/o Crompton & Co., Ltd., Salis- bury House, London Wall, E.C.
Nov. 6, 1902	Pryce-Jones, John Trevor	Tonola, Estado de Chipas, Mexico.
Dec. 16, 1897	Purton, Frederick	Manager, Expanded Metal Co., York Mansion, York Street, Westminster, S.W.
Jan. 5, 1905	Reade, James Francis, A.M.I.C.E.	26, Belsize Square, N.W.
Mar. 7, 1901	Richardson, Frederic William	5, Somerset Road, Handsworth Wood, Birmingham.
Feb. 7, 1901	Ridler, Walter, M.M.C.E., A.R.S.I.	Sun Street, Tewkesbury.
Feb. 7, 1901	Rogers, Arthur Edward, M.A., A.M.I.C.E.	11, Ennismore Gardens, South Kensington.
May 21, 1903	Romero, Cayetano	c/o S. Pearson & Sons, Incorp., Long Island City, New York, U.S.A.
May 2, 1901	Roth, Sidney B., A.I.E.E.	51, Vanbrugh Park, Blackheath, S.E.
L 1859	Rutt, Walter	Engineer-in-Chief's Office, Ade- laide, South Australia.
Jan. 5, 1905	Sadler, Frederick	Deputy Surveyor, Acton, W.
Nov. 6, 1907	Sanjana, Barjorji J.	44, Tamarind Lane, Fort, Bombay, India.
Nov. 6, 1907	Sanjana, Nuserwanji J.	32, Hornby Road, Whiteway Buildings, Bombay.
Dec. 6, 1900	Shaw, Herbert, M.I.C.E. M.M.C.E., M.R.S.I.	Council Offices, Ilford.
Feb. 1, 1906	Shepherd, George Granville, M.R.S.I., Grad. M. & C. Engrs.	Town Hall, Ilford.
Jan. 3, 1907	Shorthouse, Benjamin, A.M.I.M.E.	304, High Holborn, W.C.
L 1866	Siccama, Baron Harco Theodorus Hora, M.I.C.E.	c/o St. Stephen's Club, Westmin- ster, S.W.
Jan. 5, 1905	Sidwell, Henry Thomas	2, Park Street, Hatfield, Herts.
Nov. 1, 1906	Sime, William, M.I.M.E.	15, Vaughan Road, Stratford, E.

DATE OF ELECTION.	NAME.	ADDRESS.
Feb. 27, 1896	Simms, Frederick Richard	Welbeck Works, Kimberley Road, Willesden Lane, Kilburn.
Jan. 8, 1903	Smart, Campbell	27, Mirador Crescent, Swansea.
April 3, 1902	Smith, Sidney Lyon, A.C.G.I.	St. Paul's Vicarage, Bunhill Row, E.C.
Mar. 6, 1902	Spurrell, Edward Frederick	197, High Holborn, W.C.
Mar. 2, 1905	Staples, Henry Charles	Survey Dept., Underhill, Ampitiya, Candy, Ceylon.
Feb. 1, 1906	Stickwood, Sydney, M.JNR.I.E.	7, Springfield Road, St. John's Wood, N.W.
L 1872	Street, William Charles	Essex Lodge, Walton-on-Naze.
Nov. 2, 1905	Sumner, John, M.R.S.I.	P.O. Box 2384, Johannesburg, S. Africa.
Mar. 1, 1906	Sutton, Gerald John	26 & 28, Warwick Road, Ealing, W.
Nov. 5, 1903	Tewksbury, Richard Jerrard	9, Franchise Terrace, Weymouth.
Jan. 5, 1905	Tomey, Percy	Queen Anne's Chambers, Tothill Street, Westminster, S.W.
May 21, 1903	Turner, Samuel	
Jan. 7, 1897	Twelvetrees, Walter Noble, M.I.M.E., M.R.S.I., A.M.I.E.E.	91, Louisville Road, Upper Toot- ing, S.W. (Tel. 1221, Battersea.)
Nov. 6, 1907	Uren, Frederick C.	Municipal Buildings, Aldershot.
Dec. 6, 1900	Vallance, Robert Frank, F.R.I.B.A., F.S.I., M.M.C.E.	The Ridge, Mansfield, Notts.
1871	Valpy, Henry Valpot Francis, M.I.C.E.	14, Victoria Street, S.W.
Nov. 6, 1907	Wadia, Nowrojee R.	No. 6, Middle Colaba, Next to Parsee Sanatorium, Bombay.
April 5, 1906	Wallington-Butt, Ernest Edwin	City Engineer's Office, Birmingham.
L 1868	Walmisley, Arthur Thos., M.I.C.E.	9, Victoria Street, Westminster, S.W.
1881	Walrond, Charles Trou- bridge, A.M.I.C.E., M.R.S.I., A.M.I.E.E.	25, Victoria Street, S.W. (N. Tel. 5052 Westminster. Tel. Add. Logistics, London.)
L 1860	Walton, James Birdsall, M.I.C.E.	12, Little College Street, S.W.
Nov. 2, 1905	Warner, Harold Metford, A.C.G.I., A.M.I.M.E.	c/o MM. Ford-Ayrton, Low Ben- tham, <i>via</i> Lancaster.
Nov. 6, 1902	Waterworth, Thomas Lawrence	c/o Madras Railway Co., Arkonam, India.
Mar. 7, 1907	White, James William, M.R.S.I., F.R.MET.S.	Royal Engineers Office, Hong- Kong.
L	White, Robert T.	
Feb. 7, 1901	Whitwell-Allen, George, M.S.E., M.I.S.E.	"Vectis," 33, Ellerton Road, Wandsworth, S.W.
Mar. 5, 1903	Whitley, Henry Stuart Beville	Divisional Engineer's Office, G.W.R., North Road, Plymouth.
Nov. 2, 1899	Wilkie, John, M.A. (Edin.)	17, Grosvenor Square, Ashton- upon-Mersey.
Nov. 2, 1905	Wilkins, Llewellyn Hayward, M.I.M.E., M.JNR.I.E.	"Akaroa," Gatcombe Road, Tufnell Park, N.
1866	Willcocks, R. H., LL.B. (Hon. Solicitor)	4, College Hill, Cannon Street, E.C.
L 1866	Willcocks, George Waller, M.I.C.E.	Chief Engineer, Local Government Board, Whitehall, S.W.
L May 5, 1899	Winsborrow, Edwin Jas.	21, Grove Avenue, Hanwell.
April 5, 1906	Woollard, Frank George	The Homestead, Station Road, Sidcup, Kent.
L 1877	Worssam, Henry John	Wenlock Road, City Road, E.C.



# Civil & Mechanical Engineers' Society.

FOUNDED 1859.

SESSION 1907-1908.

*Please admit Mr.* .....

TO THE MEETING TO BE HELD AT THE

CAXTON HALL (LATE WESTMINSTER TOWN HALL),

NEAR ST. JAMES'S PARK STATION, WESTMINSTER, S.W.,

On THURSDAY, April 2nd, 1908, at 8 p.m.,

WHEN A PAPER WILL BE READ ON

## **"Efficiency of Boiler Heating Surface,"**

BY

MR. C. HUMPHREY WINGFIELD, M.I.C.E., M.I.M.E., M.I.N.A.

*Signature of Member* .....

20

A. S. E. ACKERMANN, *Hon. Sec.*

Tea and Coffee at 7.30 p.m.

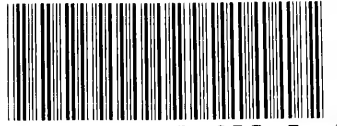
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